# TABLE OF CONTENTS

# LIST OF TABLES

## LIST OF FIGURES

## LIST OF SYMBOLS

| | | |
|---|---|---|
| $a_0, a_1, a_2$ | - | Constants for the Second Order Polynomial Curve Line |
| $B$ | - | Spacing between the Pile Rows (mm) |
| $D$ | - | Diameter of Internal Layer Pile (mm) |
| $D'$ | - | Diameter of External Layer Pile (mm) |
| $d$ | - | Diameter of Perforation (mm) |
| $E_I$ | - | Incident Wave Energy |
| $E_L$ | - | Energy Lost |
| $E_R$ | - | Reflected Wave Energy |
| $E_T$ | - | Transmitted Wave Energy |
| $g$ | - | Gravitational Acceleration (= 9.81 $m/s^2$) |
| $H_i$ | - | Incident Wave Height (m) |
| $H_r$ | - | Reflected Wave Height (m) |
| $H_t$ | - | Transmitted Wave Height (m) |
| $h$ | - | Water Depth (m) |
| $h'$ | - | Height of Structure (m) |
| $h_s$ | - | Depth of submergence (m) |
| $K_l$ | - | Coefficient of Loss |
| $K_r$ | - | Coefficient of Reflection |
| $K_t$ | - | Coefficient of Transmission |
| $k$ | - | Wave Number |
| $L$ | - | Wave Length (m) |
| $T$ | - | Wave Period (s) |
| $W$ | - | Structure Width (Two to Three Rows of Closely Spaced Pile) (m) |
| $\rho$ | - | Fluid Density ($kg/m^3$) |
| $\varepsilon$ | - | Porosity |

## LIST OF APPENDICES